

CONTROL PANEL & FUNCTIONS



Navigation:

- **OK button** turns on the device and activates a selection.
- **Soft key** ▶ turns off the device from the main menu display.
- **Navigation arrows** ▲ and ▼ scroll through menu selections. Selected items are highlighted black.
- **Soft keys** ◀ and ▶ activate the functions that appear at the bottom line of the LCD display.

Data Entry:

- Use the **alphanumeric keypad** to enter numbers and letters.
- Use the **< and > arrow keys** on the keypad to move the cursor backwards and forwards.

PREPARATION FOR TESTING

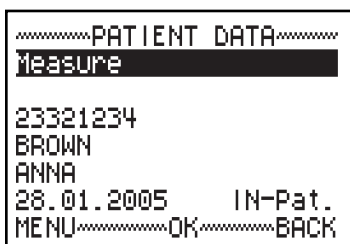
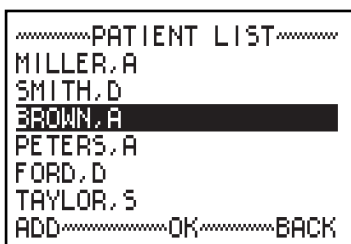
- 1) Connect Ear Probe Cable to Echo-Screen Ear Probe socket (for use with ear tips)
- 2) Use Test Cavity to conduct probe test prior to screening (Select "Options" → "Self test" → "Probe test")

Note: One probe test per day is recommended prior to screening patients.

TEOAE & DPOAE SCREENING PROCEDURE

I. Enter Patient Information

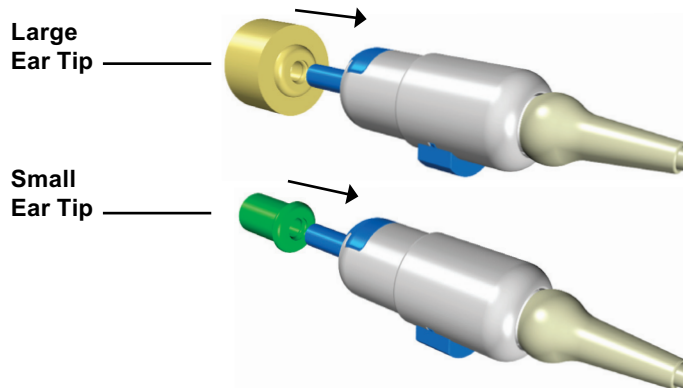
- 1) Select "**Measure**" from **Main Menu** display and press **OK** to continue.
- 2) From the **Patient List** display, press ◀ (ADD) to enter information for a new patient or select the name of an existing patient (see left Figure below).
 - a. Enter Patient ID, Name, Date of Birth, and Patient Status (Enter "0" to select in-patient). Press **OK** to confirm each entry.
- 3) Review information from **Patient Data** display and press **OK** to continue (See right Figure below).



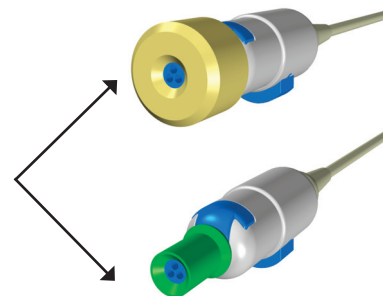
TEOAE & DPOAE SCREENING PROCEDURE (CONT'D)

II. Prepare patient and attach supplies

- 1) Fit the Probe (Using Ear Probe Cable)
 - a. Check the patient's ear canal and select the appropriate ear tip size.
 - b. Push the ear tip onto the probe tip until it sits against the probe. Orient large ear tips so that their raised side faces the probe. Orient small ear tips so that their enlarged side faces the probe (see Figure below).



Once ear tips are attached, a small projection of the probe tip should be visible



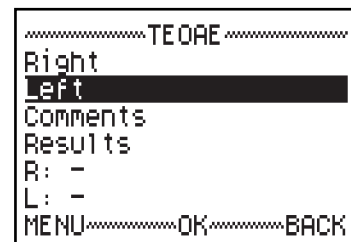
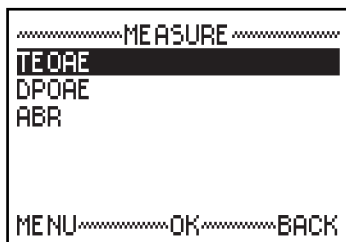
- c. Gently insert probe into patient's ear canal. Ensure a secure fit.



III. Start Screening/Monitor Progress

TEOAE Screening Procedure

- 1) Select "**TEOAE**" from **Measure** display and press **OK** to continue (See left Figure below).
- 2) Select "**Comments**" to enter additional information regarding the screen and press **OK** (See right Figure below). Add a new comment or select a default comment.
- 3) Select the ear to be tested (Right or Left) and press **OK** to start the test (See right Figure below). *Calibration is automatically performed prior to testing*

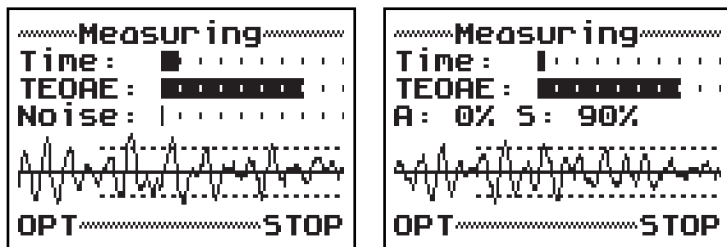


CONTINUED ON REVERSE SIDE

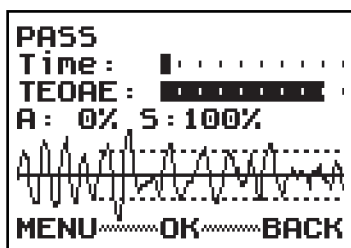
TEOAE Screening Procedure (cont'd)

- 4) As testing proceeds, the status is indicated on the display (See left Figure below).
 - a. If the "Unstable" message appears, check the probe to ensure a proper fit.
 - b. To cancel the test, press **▶** (STOP).
 - c. Press **◀** (OPT) to view the Artifact Rate (A) and Stimulus Stability Rate (S) during a test. (See right Figure below).

Note: Stimulus stability rate should be > 80%.
Artifact rate should be < 20%.

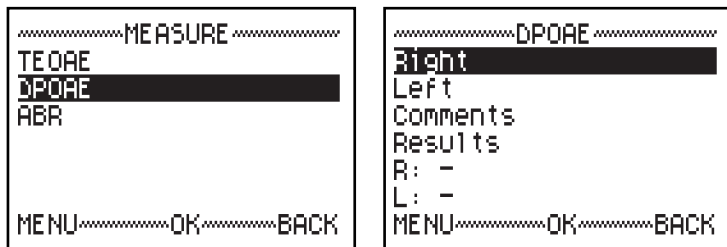


- 5) At the completion of the test, a PASS or REFER result will display (see Figure below).
 - a. Press **▶** (BACK) to test another ear.
 - b. Press **◀** (MENU) to view, print, or transfer results.



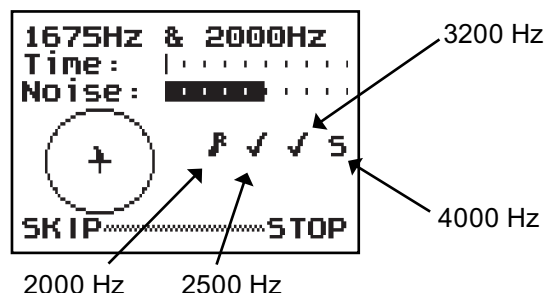
DPOAE Screening Procedure

- 1) Select "DPOAE" from **Measure** display and press **OK** to continue (See left Figure below).
- 2) Select "Comments" to enter additional information regarding the screen and press **OK** (See right Figure below). Add a new comment or select a default comment.
- 3) Select the ear to be tested (Right or Left) and press **OK** to start the test (See right Figure below). *Calibration is automatically performed prior to testing.*



- 4) As testing proceeds, the status is indicated on the display. (see Figure below).
 - a. DPOAE test is conducted at four frequencies (4000 Hz, 3200 Hz, 2500 Hz, 2000 Hz).

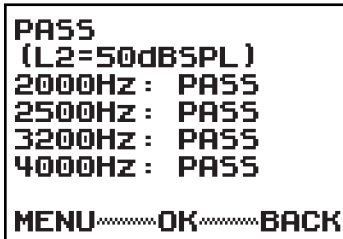
Note: Test is conducted in the order of highest to lowest frequency (4000 to 2000 Hz).
 - b. Press **◀** (SKIP) to skip the test frequency in progress and proceed to the next frequency.
 - c. Status of each test frequency is denoted as follows:
Key note = frequency pair currently in progress
√ = PASS
R = REFER
S = frequency skipped
 - d. Press **▶** (STOP) to cancel the entire DPOAE test.



DPOAE Screening Procedure (cont'd)

- 5) At the completion of the test, a PASS or REFER result, for each test frequency automatically displays (See Figure below).

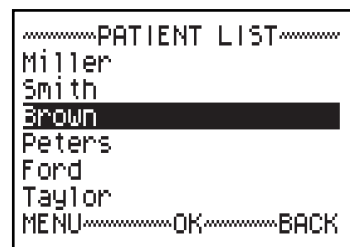
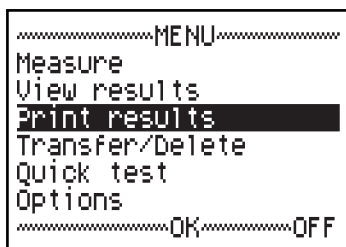
Note: A minimum of 3 test frequencies must PASS for an overall PASS result.



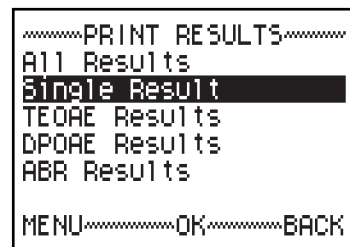
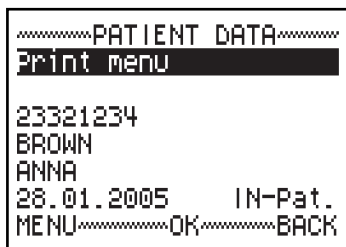
- a. Press **▶** (BACK) to test another ear.
- b. Press **◀** (MENU) to view, print, or transfer results.

PRINTING RESULTS VIA INFRARED (WIRELESS)

- 1) Select "Print results" from the **Main Menu** display (See left Figure below).
- 2) From the **Patient List** display, select the patient whose results are to be printed (See right Figure below). Press **OK** to continue.



- 3) Select "Print menu" from the **Patient Data** display (See left Figure below). Press **OK** to continue.
- 4) Turn on the Seiko label printer.
- 5) Point the printer's IR dongle toward the IR window of Echo-Screen device (6 inches/15 cm distance).
- 6) Select the type of printout from the **Print Results** menu and press **OK** to continue. (See right Figure below).



- 7) Select the result(s) to be printed from the **Results** menu and press **OK** to print.

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